

Amendments to the claims:

1. (Currently Amended) A coating process of a powder metal micro thin film, suitable for use in a container ~~[[in]]~~ having any profile and having at least one ~~smoeth~~ interior bottom surface, the process comprising:

mixing a predetermined amount of powder metal with a predetermined amount of liquid to form a powder metal mixture, wherein the amounts of powder metal and liquid are adjusted to allow fluent flow of the powder metal mixture;  
stirring the powder metal mixture;  
filling the powder metal mixture in the container;  
vibrating the container;  
vaporizing liquid ~~[[of]]~~ from the powder metal mixture; and  
forming a thin film of powder metal deposited on the interior bottom surface of the container, wherein the thin film is thinner than about 0.1mm.

2. (Original) The process as claimed in Claim 1, wherein the container comprises one interior bottom surface.

3. (Currently Amended) The process as claimed in Claim 1, wherein the container comprises a plurality of interior bottom surfaces arranged in a ~~stair-like~~ multi-levels configuration.

4. (Original) The process as claimed in Claim 1, wherein the powder metal includes copper powder.

5. (Currently Amended) The process as claimed in claim 1, wherein the liquid includes ~~[[pure]]~~ distilled water.

6. (Original) The process as claimed in Claim 1, further comprising performing a sintering process.

7. (New) A coating process of a powder metal micro thin film, suitable for use in a container having any profile and having a plurality of multiple levels interior bottom surfaces, the process comprising:

mixing a predetermined amount of powder metal with a predetermined amount of liquid to form a powder metal mixture, wherein the amounts of powder metal and liquid are adjusted to allow fluent flow of the powder metal mixture;  
stirring the powder metal mixture;  
filling the powder metal mixture in the container;  
vibrating the container;  
vaporizing liquid from the powder metal mixture; and forming a thin film of powder metal deposited on the interior bottom surfaces of the container, wherein the thin film is thinner than about 0.1mm.